AO-GES-22-S
10/100/1000M Media Converter
Two Fiber Ports and Two UTP Ports

MEDIA CONVERTERS - MEMORY UPGRADES
BATTERIES - NETWORKING TRANSCEIVERS

Features

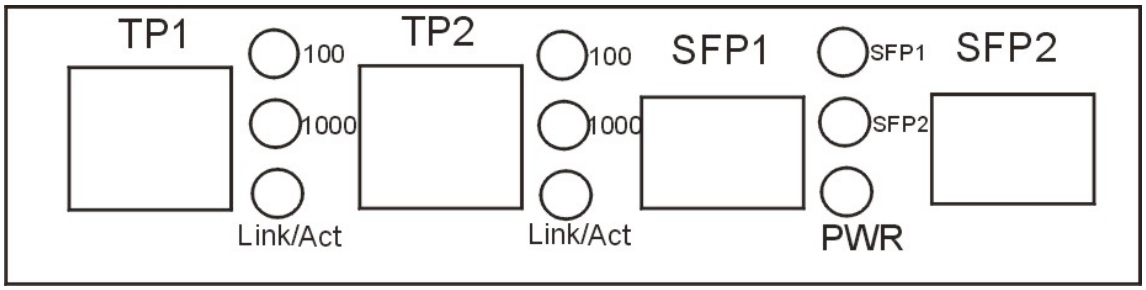
- Supports 10/100/1000Base-T, 1000Base-X protocol
- Flow control for full duplex and half duplex
- Supports Fiber Port Trunking, Increasing Fiber Channel Bandwidth and Supply Fiber Channel Redundancy
- Flow control for full duplex and half duplex
- Supports Ports Based VLANS and TAG Based VLANS
- In conformity to safety code of FCC and CE MARK
- Supports up to 10k byte JUMBO frame

Product Description

AddOn's AO-GES-22-S is our two port fiber to two port UTP media converter. The media converter is designed with a switch controller and buffer memory that connects two types of media. The UTP port supports all 10/100/1000 Mbps RJ45 Half and Full Duplex modules, and the SFP ports support only 1000Mbps and Full-Duplex modules. The AO-GES-22-S provides reliable and cost effective to your networking needs.

Technical Parameters

Parameter	
Standard Protocol	10/100/1000Base-T, 1000Base-X
Connector	Two UTP RJ-45 connector, Two SFP slots
Data Transfer Rate	RJ45 Port: 10Mbps, 100Mbps, 1000Mbps SFP: 1000Mbps
Power Supply Parameter	220V (170-260V) AC, 50Hz or DC48V
Operation Mode	Full Duplex mode or half duplex mode
TP Cable	Cat5 UTP cable
Environmental Temperature	0°C-50°C
Relative Humidity	5%-90%
Dimensions	27mm x 123mm x 85mm



Front Panel of Media Converter

LED Indicator Lamp Explanation

LED	Function
100	Lit when TP1/TP2 speed is 100Mbps
1000	Lit when TP1/TP2 speed is 1000Mbps
Link/Act	Lit when TP1/TP2 connection is good Blinks when TP1/TP2 data is transmitting
SFP1	Lit when SFP1 connection is good Blinks when SFP1 data is transmitting
SFP2	Lit when SFP2 connection is good Blinks when SFP2 data is transmitting
PWR	Lit when +5V power is supplying the device

SFP Module Fiber Optic Technical Specifications

	1000Base-SX	1000Base-LX-20
Connector type	LC	LC
Fiber type	Multi-mode	Single-mode
Wavelength	850nm	1310nm
Max Distance	62.5μm: 224m 50μm: 550m	20km
Min TX PWR	-12.0dBm	-11.0dBm
Max TX PWR	-6.0dBm	-5.0dBm
Sensitivity	<-19dBm	<-22dBm
Link Budget	7.0dBm	11.0dBm

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	1000Base-LX-40	1000Base-LX-80
Connector type	LC	LC
Fiber type	Single-mode	Single-mode
Wavelength	1310nm	1550nm
Max Distance	40km	80km
Min TX PWR	-5.0dBm	-3.0dBm
Max TX PWR	0dBm	0dBm
Sensitivity	<-25dBm	<-25dBm
Link Budget	20.0dBm	22.0dBm